

04-26-04



Practitioner's Docket No.: 789_118 CIP

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of: Yukihiisa TAKEUCHI, Tsutomu NANATAKI, Iwao
OHWADA and Takayoshi AKAO

Ser. No.: 10/730,754

Art Unit: 2878

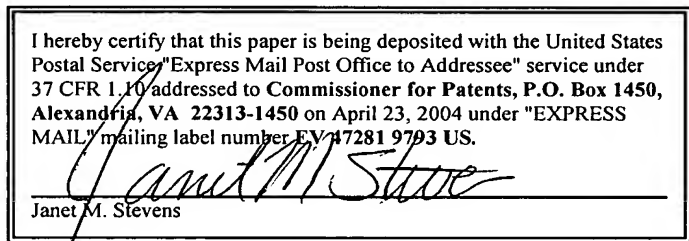
Filed: December 8, 2003

Examiner: Not assigned

Confirmation No.: 4467

For: ELECTRON EMITTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. In accordance with the Notice dated July 11, 2003 on the PTO website, we are not enclosing copies of any of the U.S. references listed on Form PTO-1449.


Reference CA (EP 0 353 632) was cited in a European Search Report (copy enclosed) bearing a mailing date of March 18, 2004 from a related European patent application.

References BS-BZ and CB-CD were cited in a European Search Report (copy enclosed) bearing a mailing date of March 18, 2004 from a related European patent application, and the U.S. PTO is directed thereto for a concise statement of possible relevance of the references cited therein. Reference BW (FR 2675306) corresponds to Reference BS (USP 5,280,221).

The above information is presented so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1446.

Respectfully submitted,



Stephen P. Burr
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April 23, 2004

Date

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Form PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<div style="border: 2px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;"> O I P E APR 23 2004 PATENT OFFICE </div> </div>		<div style="text-align: right; font-weight: bold; font-size: small;">Complete if Known</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/730,754</td> </tr> <tr> <td>Filing Date</td> <td>December 8, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Yukihisa TAKEUCHI</td> </tr> <tr> <td>Art Unit</td> <td>2878</td> </tr> <tr> <td>Examiner Name</td> <td>Not assigned</td> </tr> <tr> <td>Confirmation No.</td> <td>4467</td> </tr> <tr> <td>Attorney Docket No.</td> <td>789_118 CIP</td> </tr> </table>		Application Number	10/730,754	Filing Date	December 8, 2003	First Named Inventor	Yukihisa TAKEUCHI	Art Unit	2878	Examiner Name	Not assigned	Confirmation No.	4467	Attorney Docket No.	789_118 CIP
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U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
	BS	5,280,221	01/18/1994	Okamoto et al.				
	BT	5,747,926	05/05/1998	Nakamoto et al.				
	BU	6,198,225	03/06/2001	Kano et al.				
	BV	6,479,924	11/12/2002	Yoo				

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
	BW	2675306	10/16/1992	FR				✓
	BX	2789221	08/04/2000	FR				✓
	BY	2789223	08/04/2000	FR				✓
	BZ	10057072	05/23/2001	DE				✓
	CA	0 353 632	02/07/1990	EP				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

	CB	G. Benedek et al., "Electron Emission From Ferroelectric/Antiferroelectric Cathodes Excited by Short High-Voltage Pulses", Journal Applied Physics, Vol. 81, No. 3, 1 February 1997, pages 1396-1403
	CC	Gundel, H. et al., "Low Pressure Hollow Cathode Switch Triggered by a Pulsed Electron Beam Emitted From Ferroelectrics", Applied Physics Letter, American Institute of Physics, New York, US Vol. 54, No. 21, 22 May 1989, pages 2071-2073
	CD	Gundel, H. et al., "Time-Dependent Electron Emission From Ferroelectrics by External Pulsed Electric Fields", Journal of Applied Physics, American Institute of Physics, New York, US Vol. 69, No. 2, 15 January 1991, pages 975-982

Examiner:	Date Considered:
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*In accordance with the Notice dated July 11, 2003 on the PTO website, we are not enclosing copies of any of the above U.S. references.